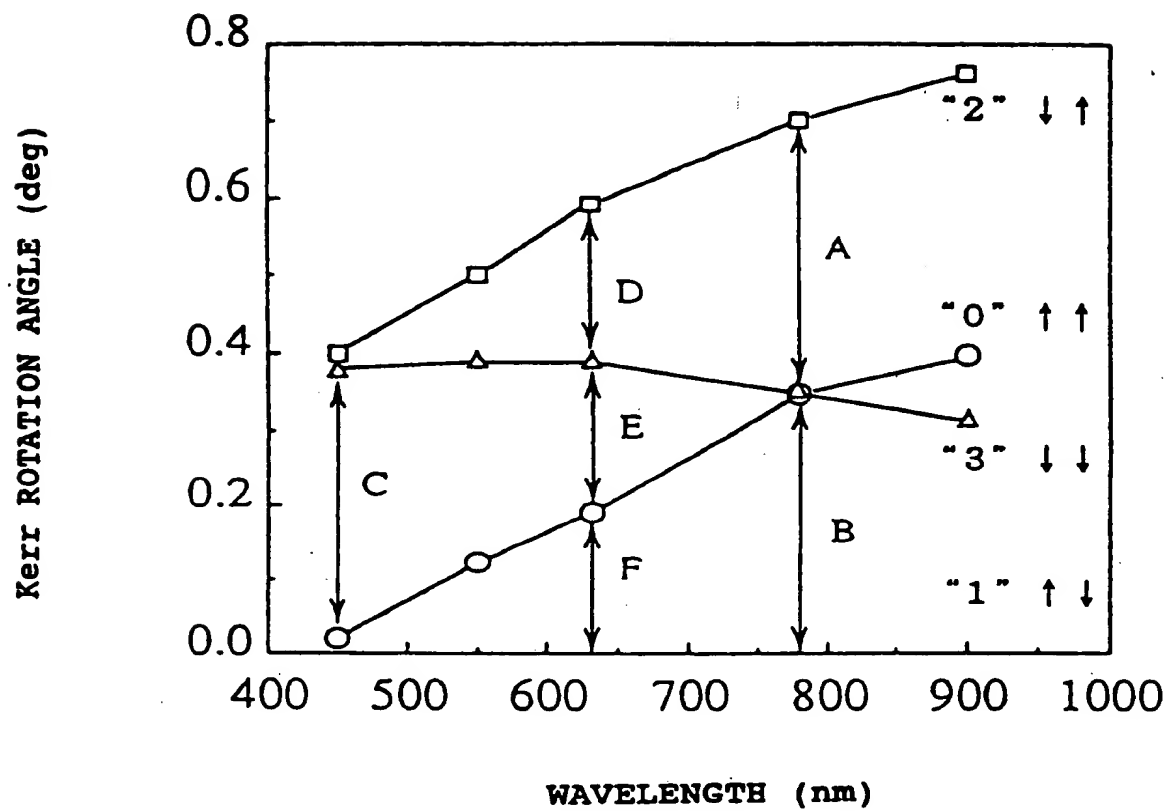


2/19

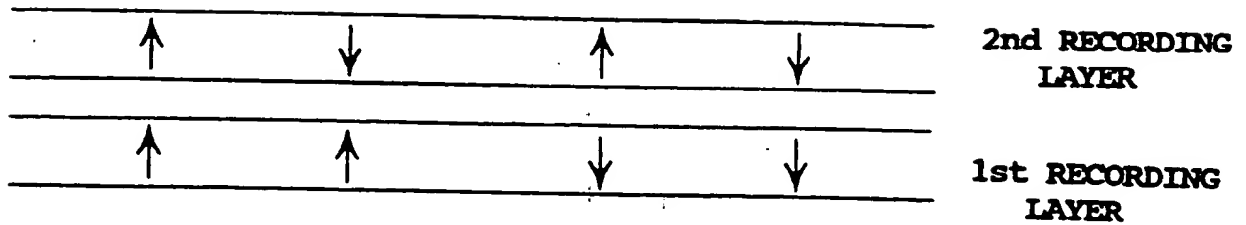
Figure 2



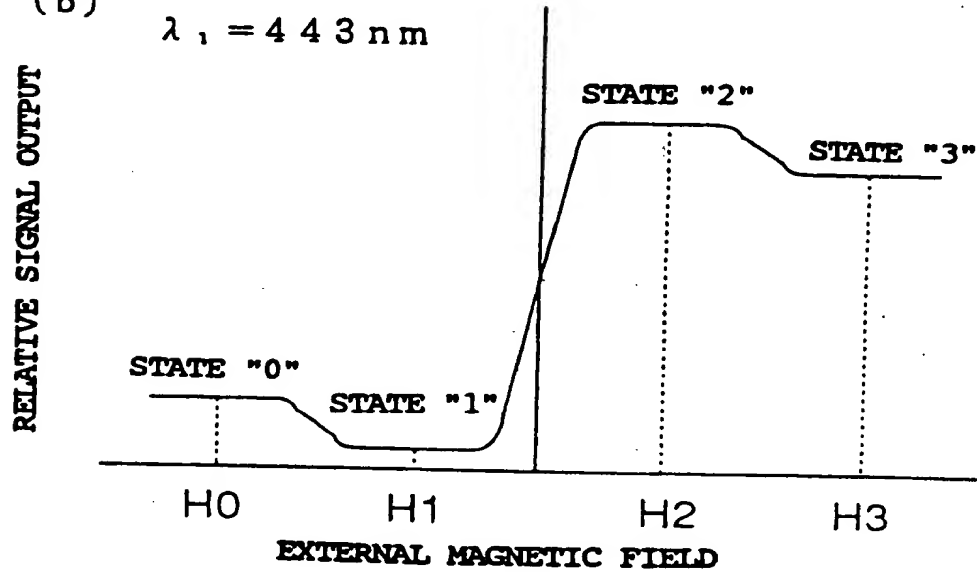
3/19

Figure 3

(a)



(b)



(c)

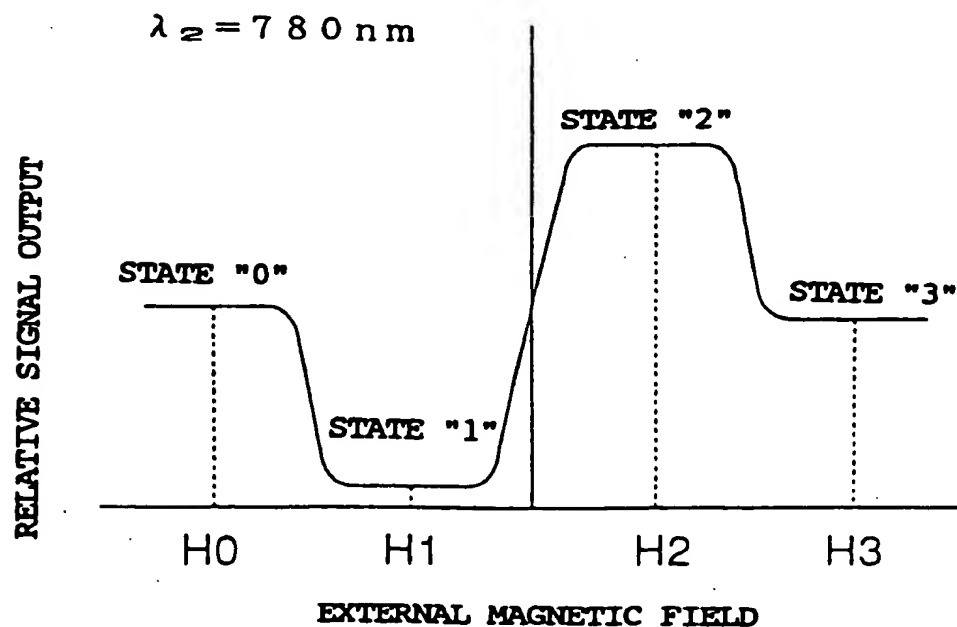


Figure 4

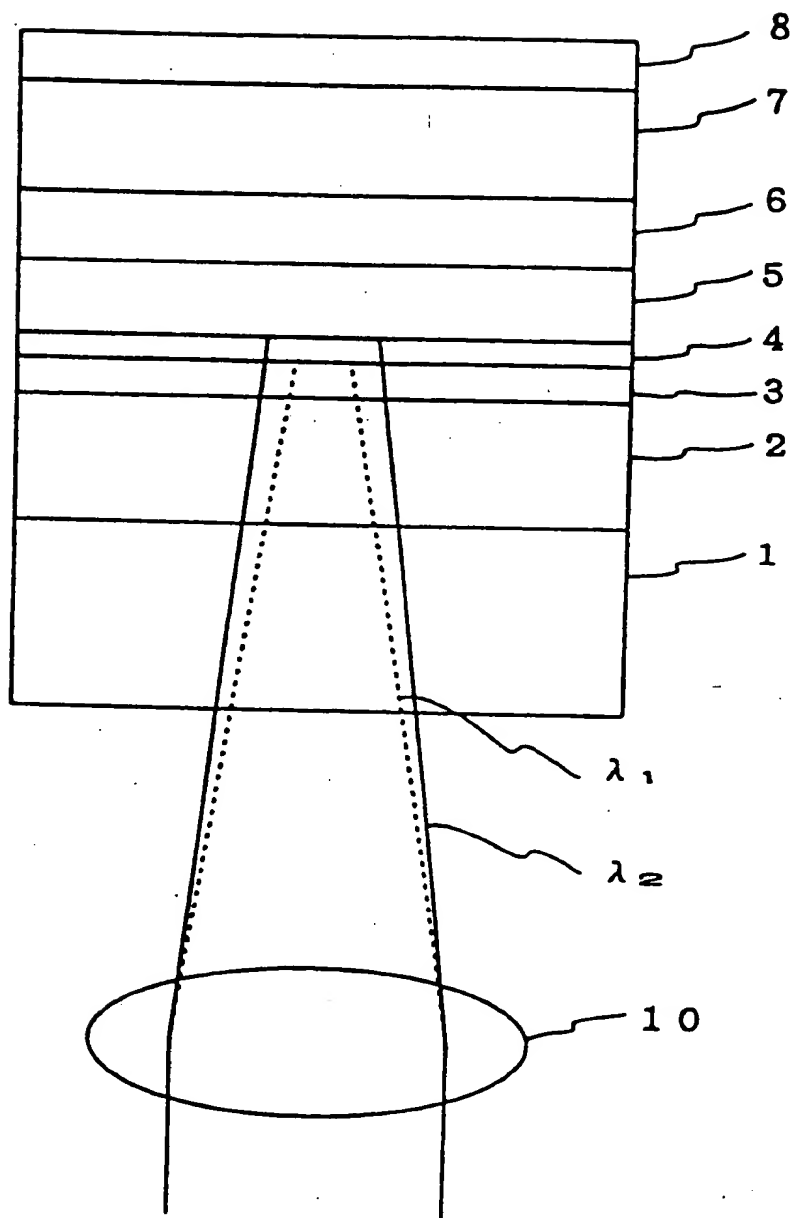
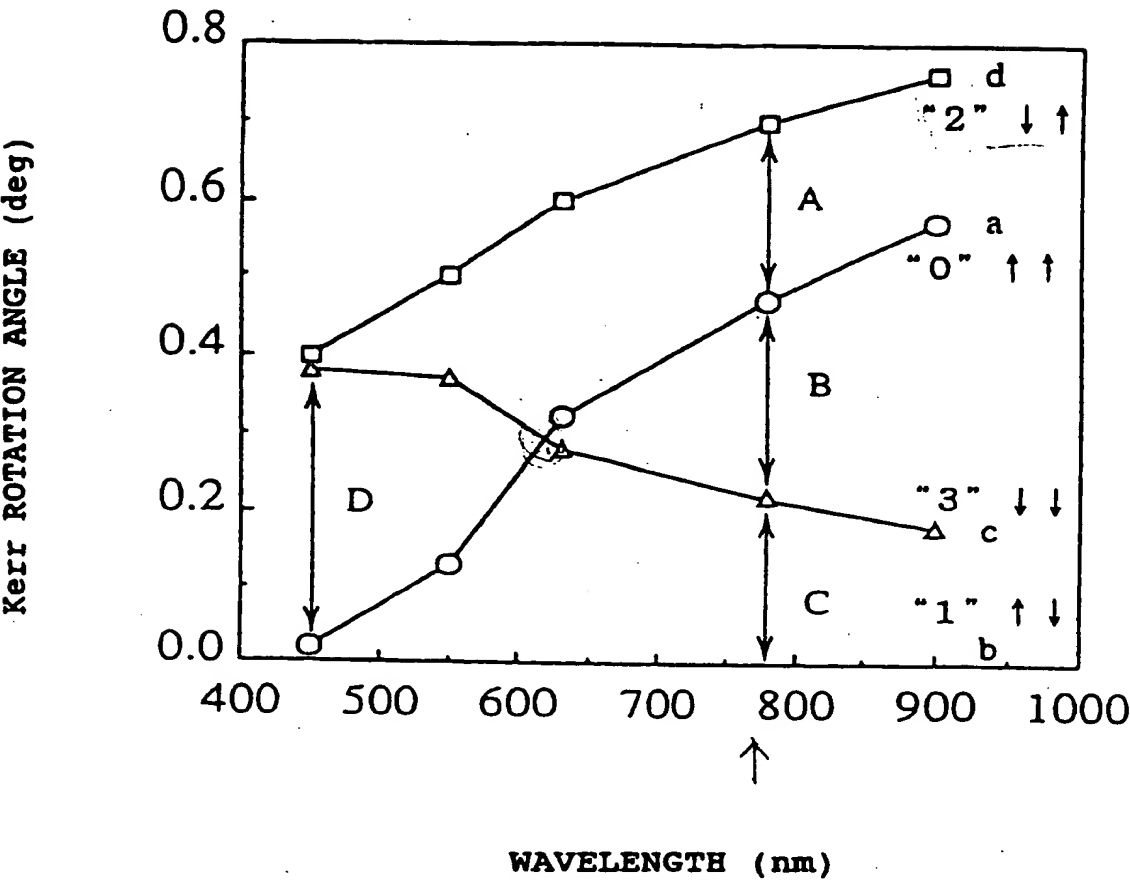


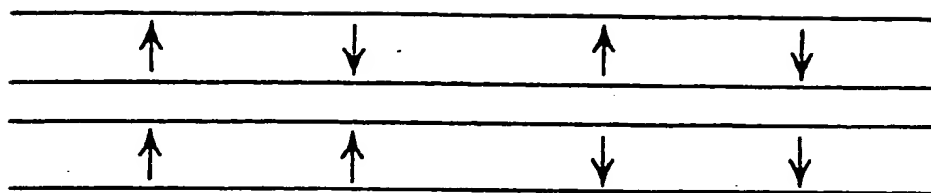
Figure 5



6/19

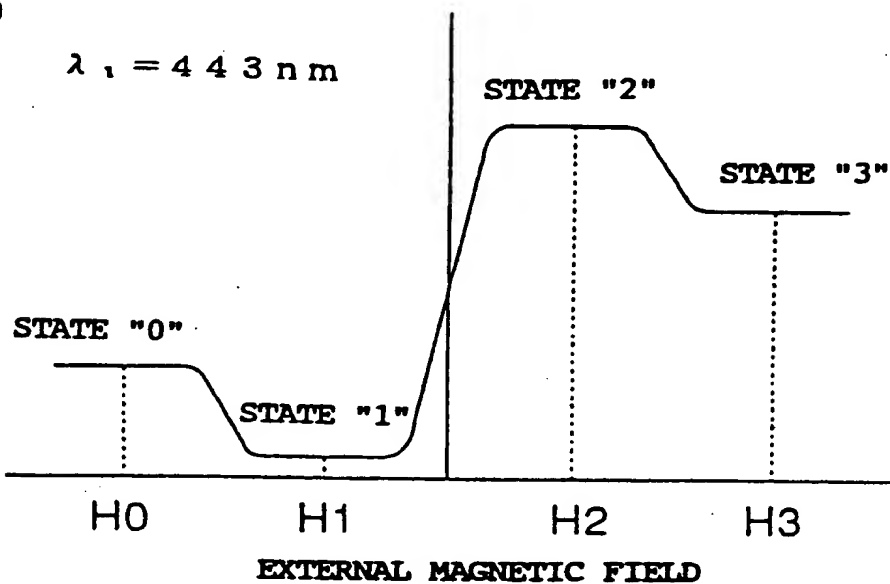
Figure 6

(a)

2nd RECORDING
LAYER (RE-RICH)1st RECORDING
LAYER (TM-RICH)

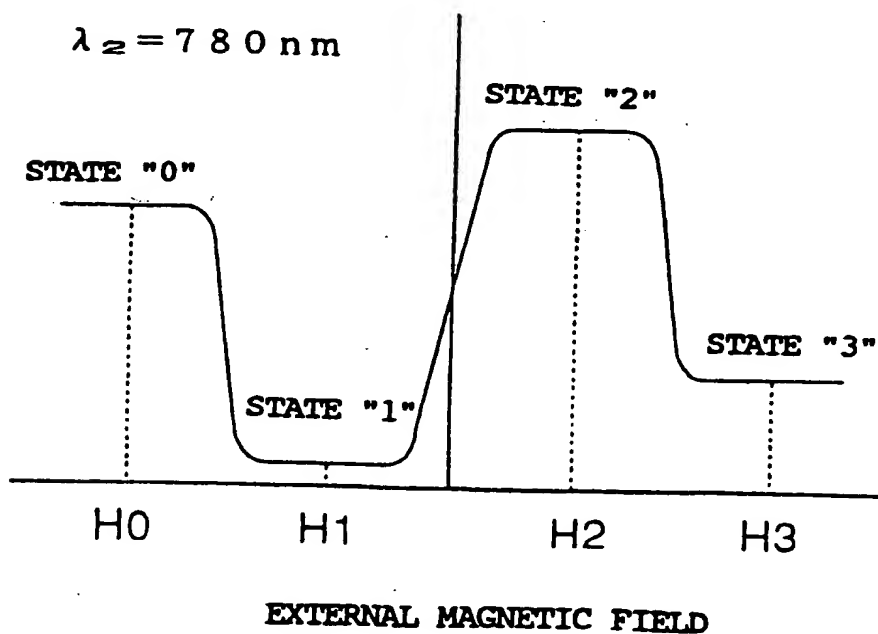
(b)

RELATIVE SIGNAL OUTPUT



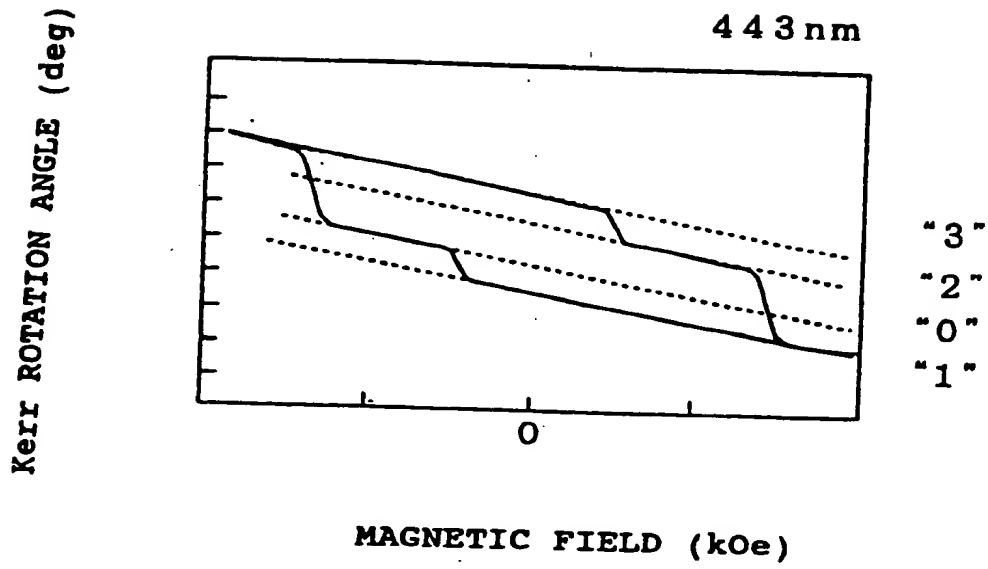
(c)

RELATIVE SIGNAL OUTPUT



7/19

Figure 7



Kerr ROTATION ANGLE (deg)

MAGNETIC FIELD (kOe)

“3”
“2”
“0”
“1”

"2"

"0"

"1"

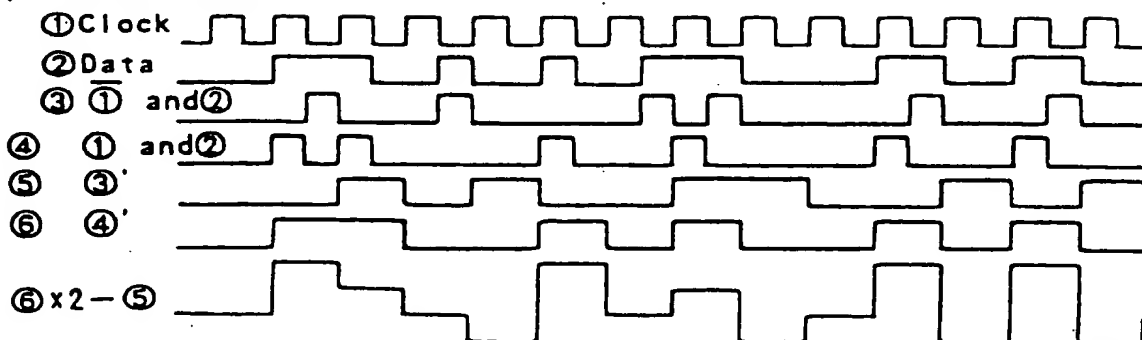
Figure 8

(a) 1 0 1 0 0 1 1 0 0 1 0 1 0

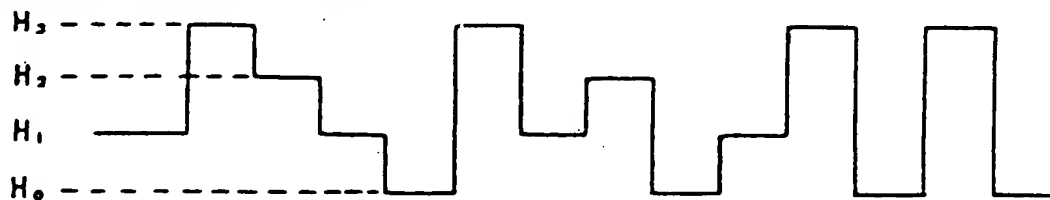
1 1 0 0 1 0 1 0 0 1 0 1 0

(b) 1 1 1 0 0 1 0 0 1 0 0 1 1 1 0 0 0 0 1 1 0 0 1 1 0

(c) TIMING CHART



(d) EXTERNAL MAGNETIC FIELD



(e) LIGHT PULSE

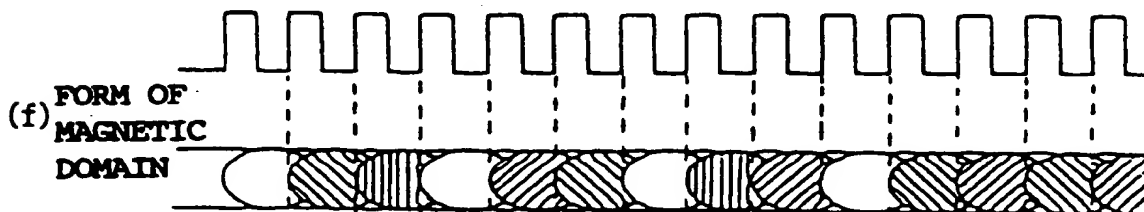


Figure 10

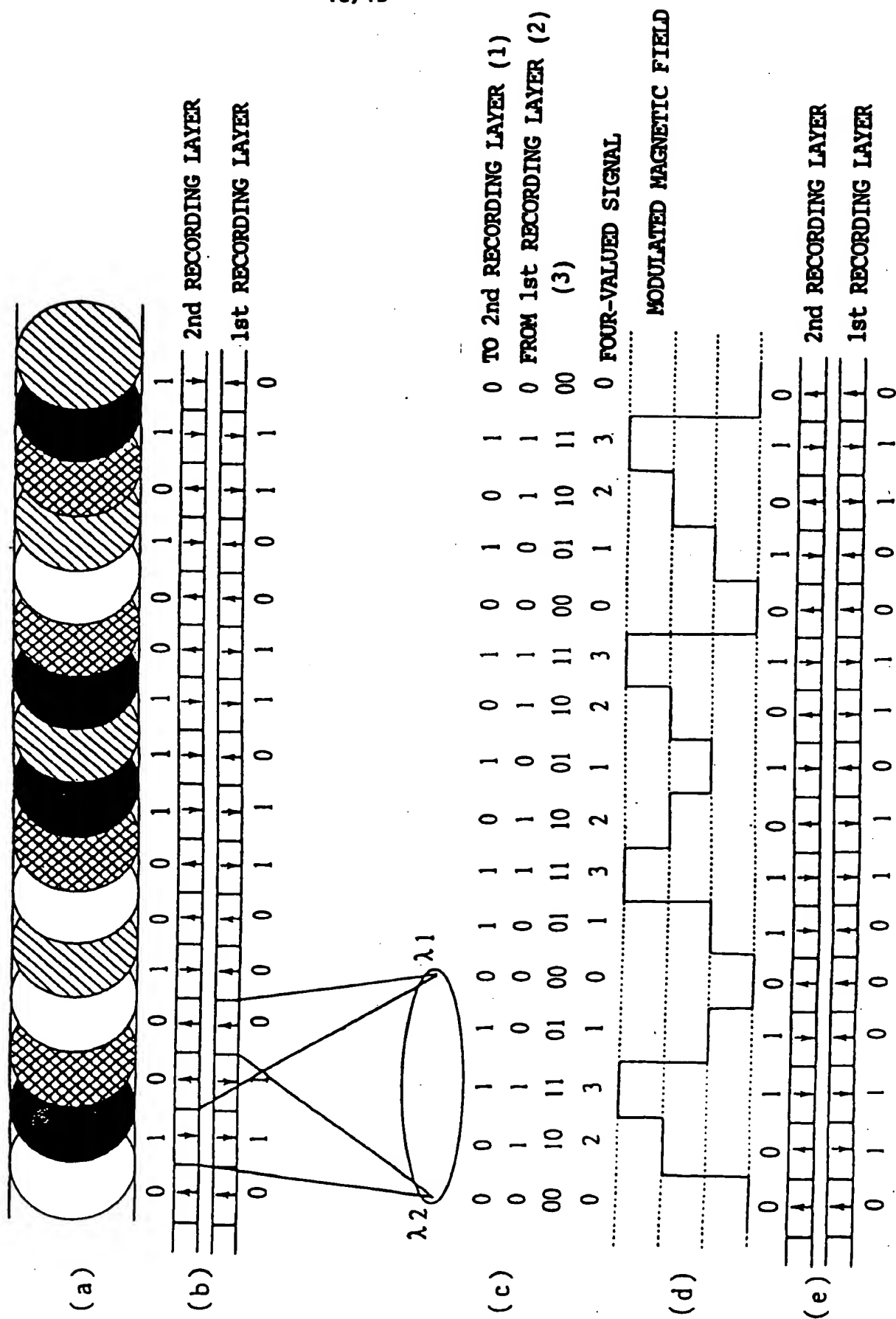
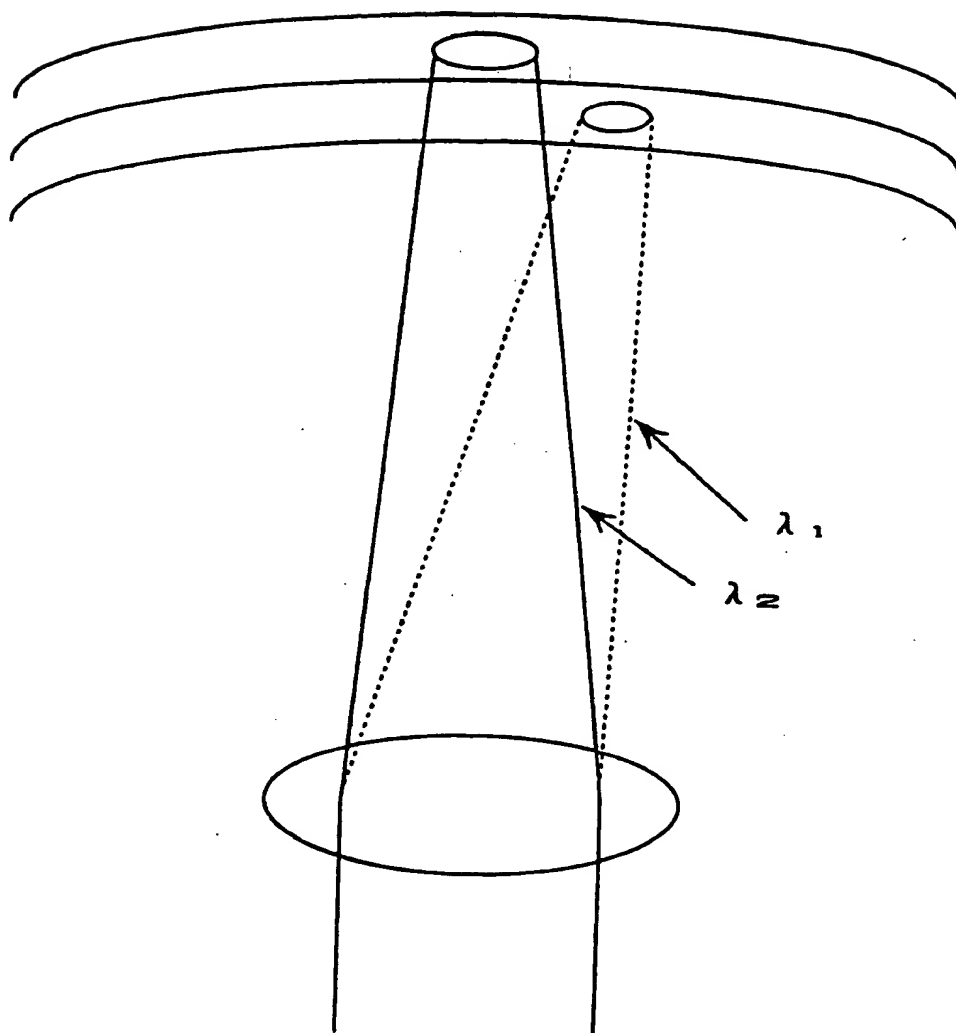
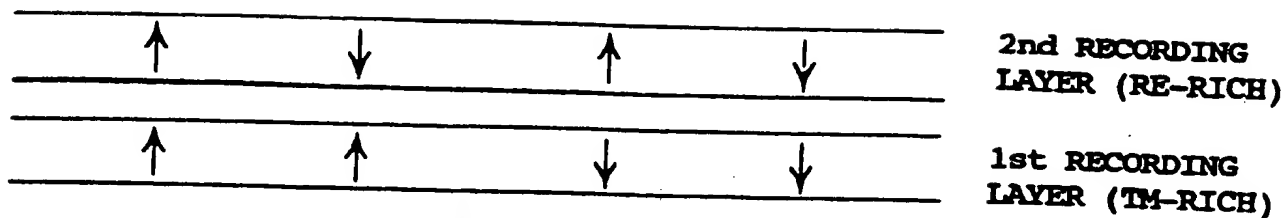


Figure 12

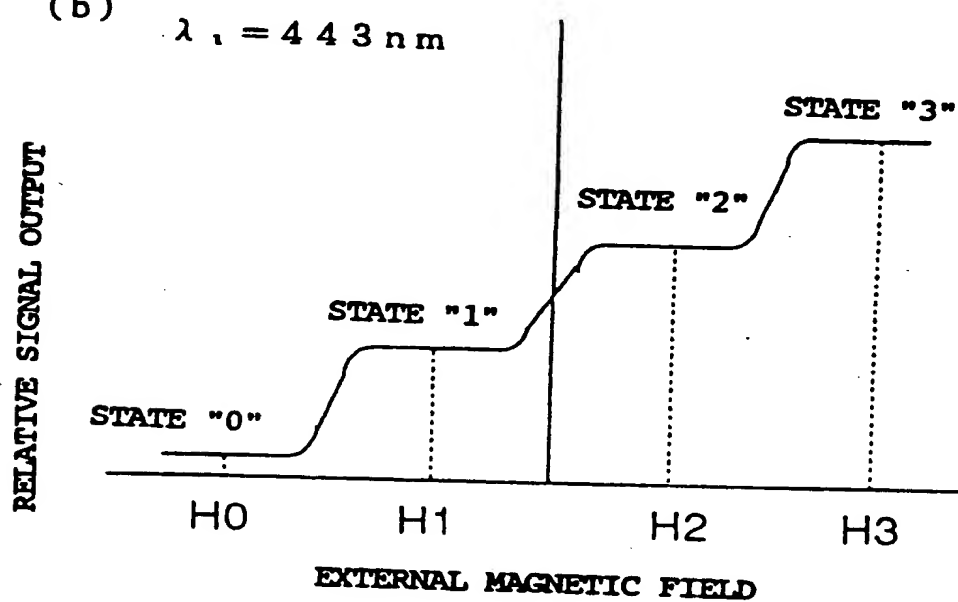


^{13/19}
Figure 13

(a)



(b)



(c)

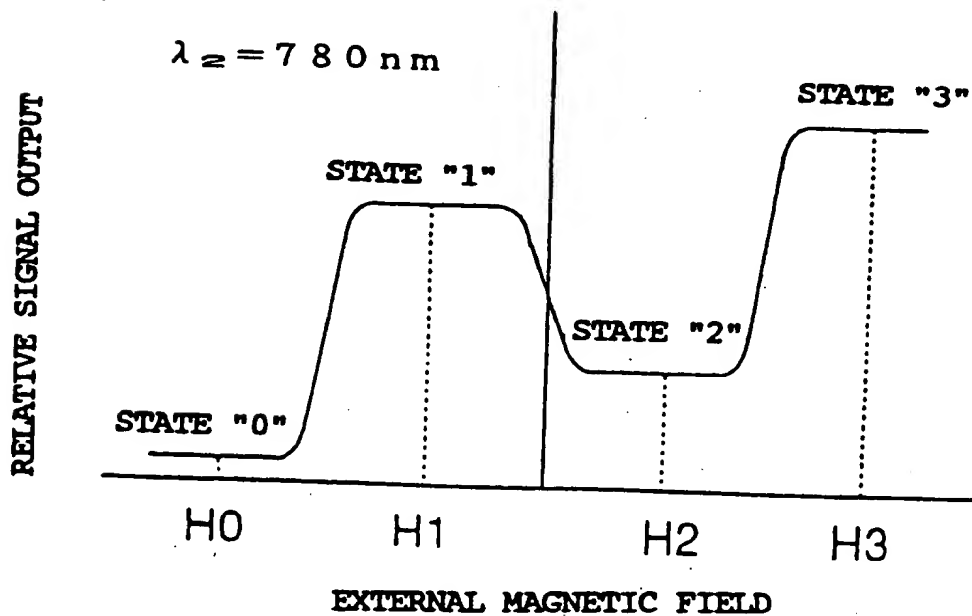


Figure 14

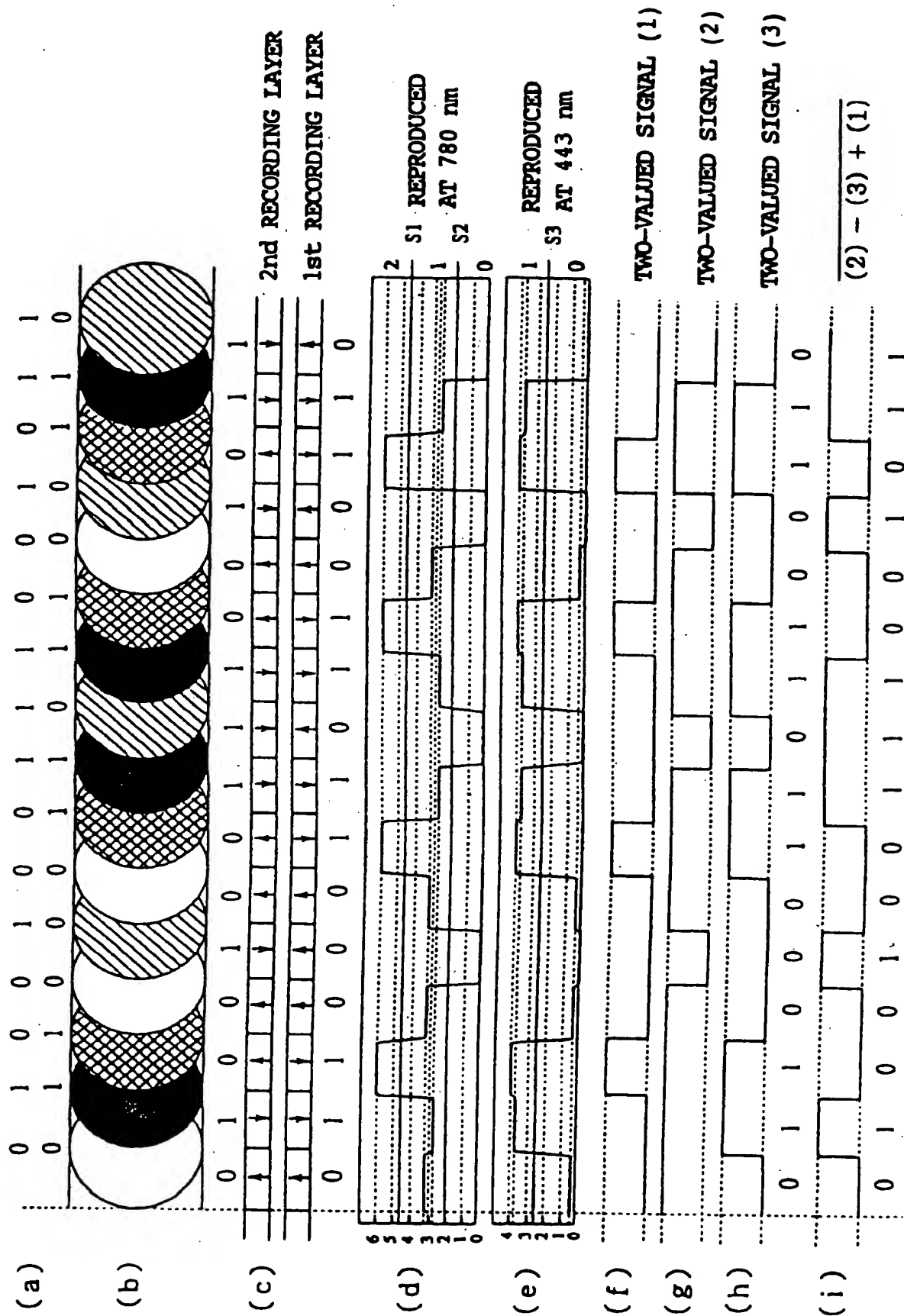


Figure 15

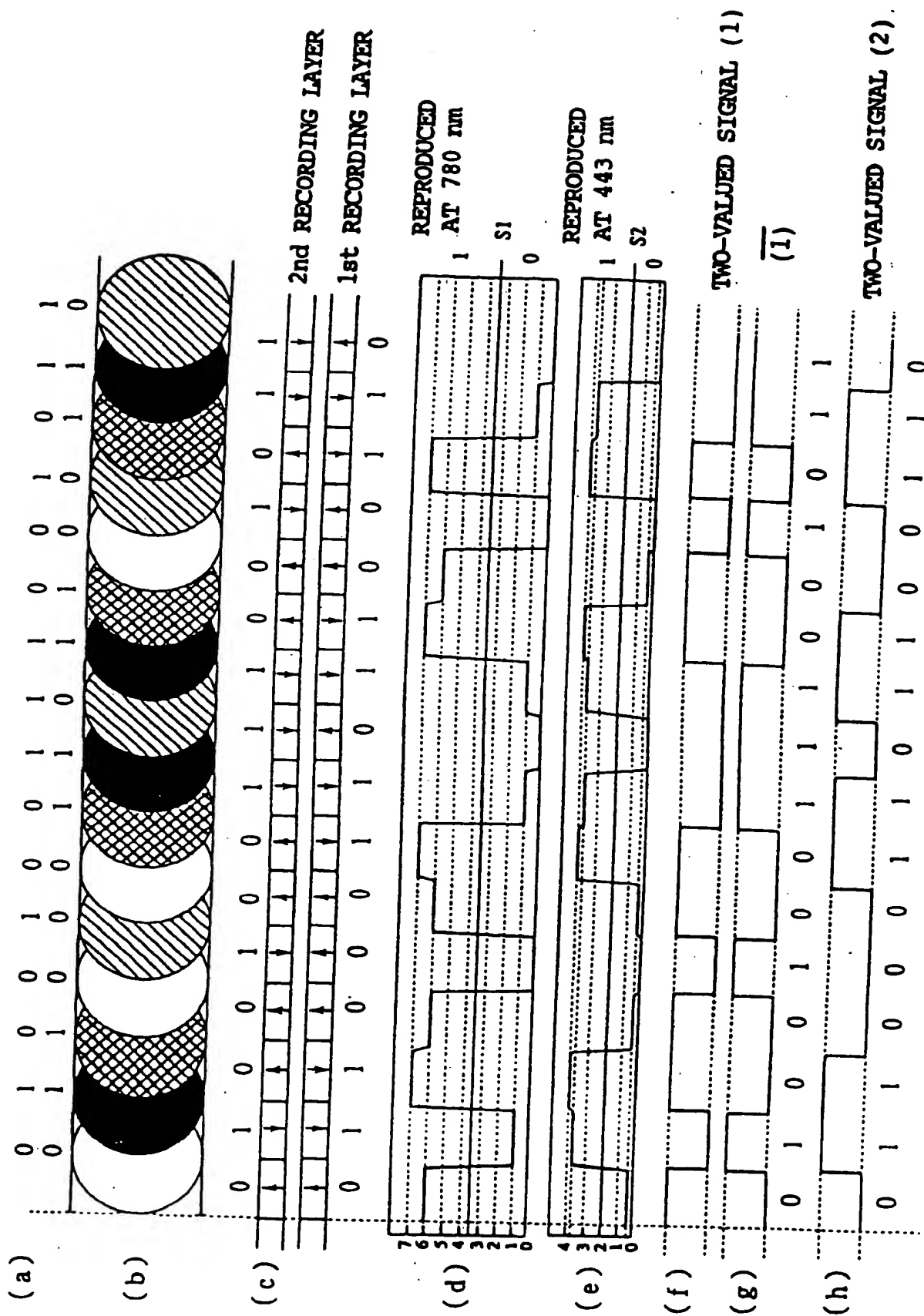


Figure 16

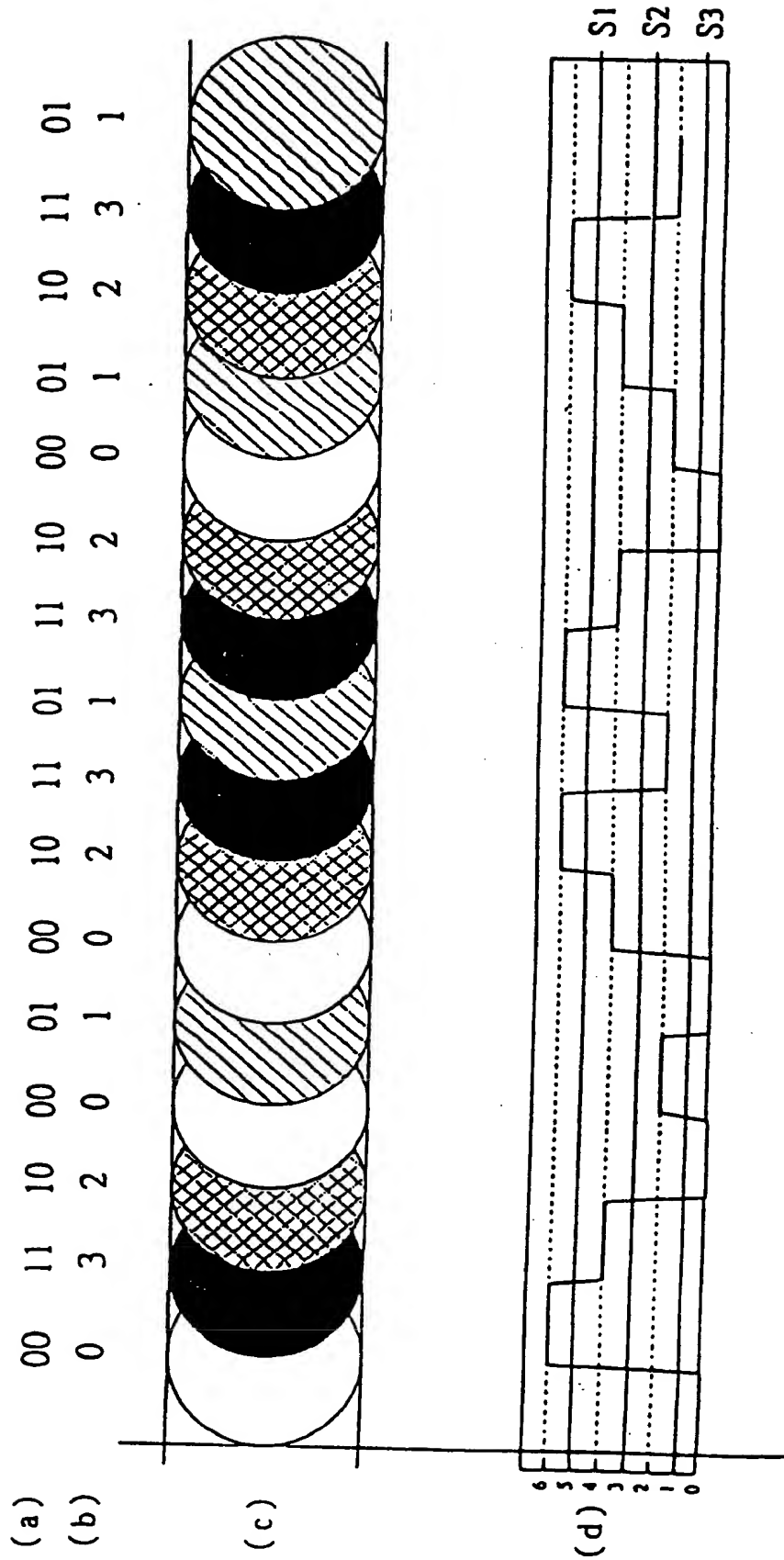


Figure 17

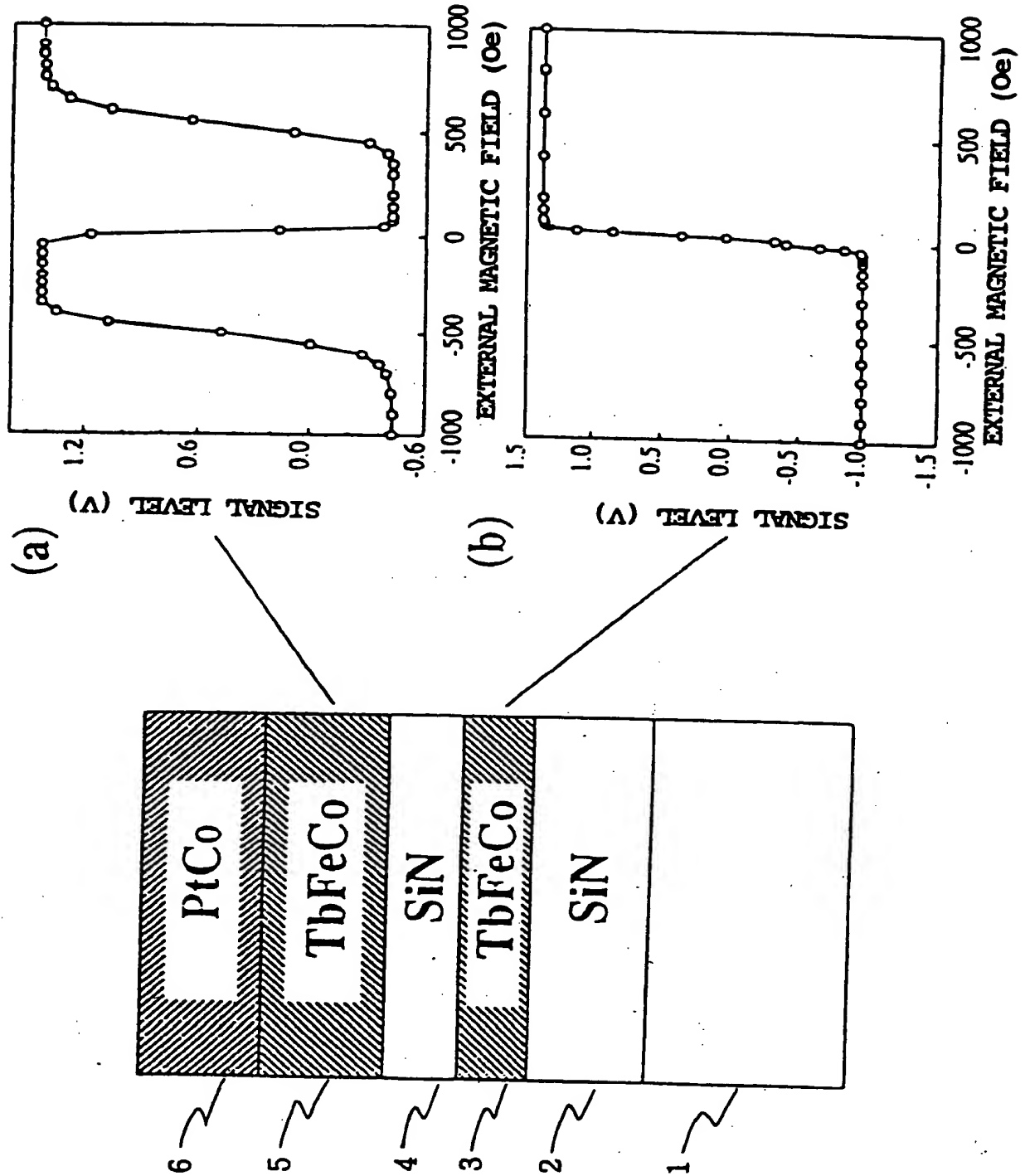
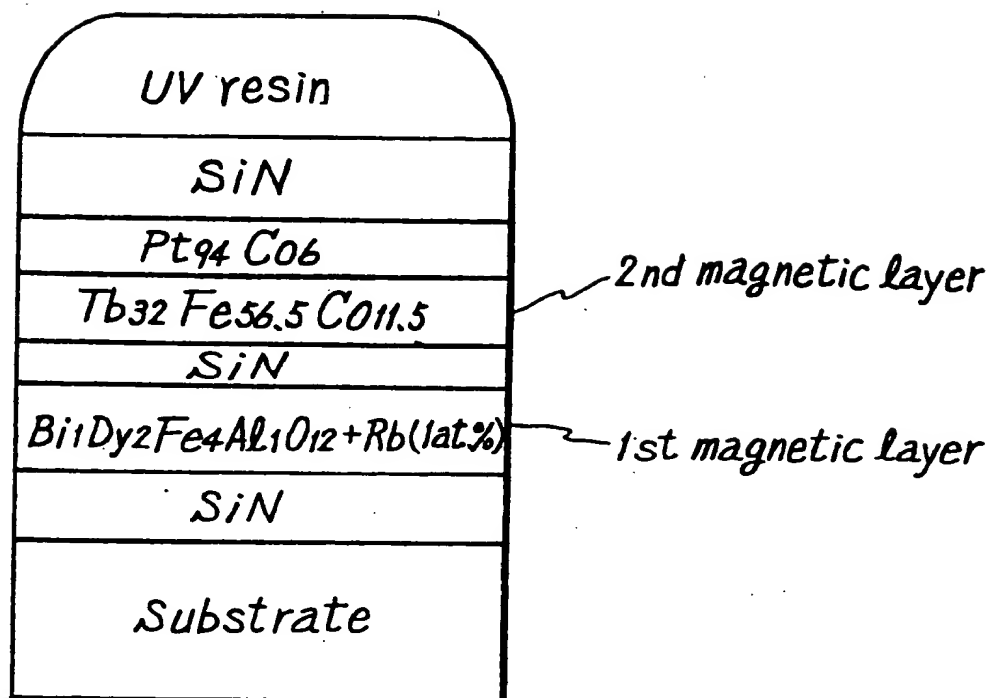


Figure 18



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Figure 19

